

# DEVICE CARRIER SYSTEM

by *Inventors:*

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## CROSS REFERENCE TO RELATED APPLICATION

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[0001] This application is related to U.S. Patent Application No. 10/800,095 (Attorney Docket No. SUNMP238), filed on the same day as the instant application and entitled "COMPONENT ARRAY BRACKET ASSEMBLY." The related application is hereby incorporated by reference in its entirety for all purposes.

## BACKGROUND OF THE INVENTION

### 1. Field of the Invention

[0002] The present invention relates generally to device or component mounting and positioning, and more specifically to a component device bracket and carrier system that provides for the component device to be installed into and removed from an array of component devices.

### 2. Description of the Related Art

[0003] Computer network server systems and related components are typically housed in racks configured to assimilate a plurality of component devices. System racks provide efficient organization for the plurality of components for ease of access, serviceability, expandability, power distribution, cooling, etc.

[0004] As is known, various system and network component devices require electrical connection as well as data connections to implement RAID array, mirroring, or other such redundancy of data and power. As used herein, a "component device" is generally a singular component of a system, exemplified by devices such as network servers, routers, disk drive and other mass storage devices, tape back-up devices, and other similar related component devices, but may also be any type of device with or without an electrical connection. In the example of disk drives, the component devices are being developed in